

INTERNATIONAL SEARCH REPORT

national Application No

T/GB2004/002340

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01T1/166

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01T A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 677 536 A (VICKERS DAVID S) 14 October 1997 (1997-10-14) abstract; figures 3,9 column 2, line 52 - column 3, line 19 column 4, lines 18-67 column 8, line 60 - column 9, line 35	1,2,5,6, 8,12,13, 16,17, 19,23
A	SPINKS T J ET AL: "Physical characteristics of the ECAT EXACT3D positron tomograph" PHYS. MED. BIOL., vol. 45, 2000, pages 2601-2618, XP002297164 abstract paragraphs '02.1!, '2.2.3! ----- -/--	1-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *8* document member of the same patent family

Date of the actual completion of the international search

21 September 2004

Date of mailing of the international search report

06/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BAILEY D L ET AL.: "An investigation of factors affecting detector and geometric correction in normalization of 3-D PET data"</p> <p>IEEE TRANSACTIONS ON NUCLEAR SCIENCE, vol. 43, no. 6, 1996, pages 3300-3307, XP002297165</p> <p>abstract</p> <p>paragraphs '000I!, 'II.A!</p>	1-23
A	<p>WATSON C C ET AL: "Design and performance of a single photon transmission measurement for the ECAT ART"</p> <p>NUCLEAR SCIENCE SYMPOSIUM, 1997. IEEE ALBUQUERQUE, NM, USA 9-15 NOV. 1997, NEW YORK, NY, USA, IEEE, US, 9 November 1997 (1997-11-09), pages 1366-1370, XP010275657</p> <p>ISBN: 0-7803-4258-5</p> <p>cited in the application</p> <p>the whole document</p>	1-23
A	<p>BADAWI R D ET AL.: "Algorithms for calculating detector efficiency normalization coefficients for true coincidences in 3D PET"</p> <p>PHYS. MED. BIOL., vol. 43, 1998, pages 189-205, XP002297166</p> <p>abstract</p> <p>paragraphs '000I!, '02.1!, '02.3!, '03.2! - '03.5!</p>	1-23
A	<p>US 4 882 494 A (ROGERS ROXANNE R ET AL)</p> <p>21 November 1989 (1989-11-21)</p> <p>abstract; figures 3,4</p> <p>column 1, lines 8-17</p> <p>column 3, lines 5-47</p>	1-23

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5677536	A	14-10-1997	NONE	
US 4882494	A	21-11-1989	AU 1793988 A	22-09-1989
			EP 0441772 A1	21-08-1991
			WO 8908268 A1	08-09-1989